

2023EP3658

TEST REPORT

DATE OF RECEPTION

Date Format: dd/MM/yyyy 29/09/2023

DATE OF TESTS

Starting: 04/10/2023

Ending: 16/10/2023

APPLICANT

XM TEXTILES POLSKA SP. Z O. O.

16 WOLNOŚCIOWA

PL-95-200 Pabianice

Poland

Att Irina Danilova

REFERENCE OF SAMPLES

Reference by AITEX	Reference by customer	AITEX sample description
2023EP3658-S01	UNITEC-240	Woven fabric

TESTS CARRIED OUT

- PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING
- DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

Tests marked with * are not included within the scope of the accreditation.





DESCRIPTION OF SAMPLES



Reference by AITEX: 2023EP3658-S01

Reference by customer:

UNITEC-240

AITEX sample description:

Black woven fabric.

Information supplied by the customer

Fabric ref. UNITEC-240

Weight 240 gsm

Color Black

Others (if any) 515

Composition provided by the customer:

65% Polyester/35% Cotton, Twill 2/1

AITEX Subsamples	Subsample Description
2023EP3658-S01_P1	Woven fabric - AFTER WASH 5 cycles



EXECUTIVE SUMMARY

EN ISO 20471:2013+EN ISO 20471:2013+AMD1: 2016	Reference	Test/Standard	Result
	2023EP3658-S01_P1	DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING EN ISO 5077:2008	PASS



REQUIREMENT SUMMARY

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

REQUIREMENT ACCORDING EN ISO 20471:2013+EN ISO 20471:2013+AMD1:2016

The dimensional change shall not exceed $\pm 3\%$, both in width warp and in length weft.

The dimensional change of knitted fabrics shall not exceed $\pm 5\%$, both in width Crosswise and in length Lengthwise.



RESULTS

PRE-TREATMENT FOR DOMESTIC WASHING AND DRYING PROCEDURES FOR TEXTILE TESTING

Standard

EN ISO 6330:2021

Test date
Start date 11/10/2023 **End date** 13/10/2023

Washing procedure

6N

Washing temperature

60°C

Washing cycles

5

Dryer type

James Heal

Drying procedure

F (type A1 tumble drying)

Drying temperature

70°C

Washing powder

Reference detergent 3

Reference

2023EP3658-S01

Units	Dry mass of the samples(Kg)	Counterweight mass Kg Kg	Counterweight type	Equipment
1	0.08	1.9	Type III / Type III	WASCATOR

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP3658-S01	Black woven fabric.



RESULTS

DETERMINATION OF DIMENSIONAL CHANGE IN WASHING AND DRYING

Standard

EN ISO 5077:2008

Preparation, marking and measuring of fabric specimens according to EN ISO 3759:2011

Start date 04/10/2023 **End date** 16/10/2023

Washing cycles

5

Uncertainty

± 0.4 %

Reference

2023EP3658-S01_P1

Specimen	Direction	Dimensional change (%)
1	WARP	-2.5
	WEFT	-2.0

Note

Positive dimensional change indicates lengthening. Negative dimensional change indicates shrinkage

The test was carried out at laboratory located at Carretera Banyeres s/n - 03802 Alcoi, Alicante

Reference	Description
2023EP3658-S01_P1	Woven fabric - AFTER WASH 5 cycles



Lucia Martinez
Head of PPE and Ballistics department



Date: 17/10/2023 10:29:20

Digitally Signed by: ISABEL LLOPIS LUMBRERAS -

NIF: 21678551Q

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